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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))				Docket No. PB0004	
In Re Application Of: Sharron Gaynor Penn, et al.					
Application No. 09/774,203	Filing Date January 29, 2001	Examiner Lori A. Clow	Customer No. 22840	Group Art Unit 1631	Confirmation No. 7320
Title: Methods and Apparatus for Predicting, Confirming, and Displaying Functional Information Derived from Genomic Sequence					
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
37 CFR 1.97(b)					
1. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.					
37 CFR 1.97(c)					
2. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:					
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);					
OR					
<input checked="" type="checkbox"/> the fee set forth in 37 CFR 1.17(p).					

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
**PB0004**

In Re Application: **Sharron Gaynor Penn, et al.**

SEP 10 2004  
PATENT & TRADEMARK OFFICE

Application No. <b>09/774,203</b>	Filing Date <b>January 29, 2001</b>	Examiner <b>Lori A. Clow</b>	Customer No. <b>22840</b>	Group Art Unit <b>1631</b>	Confirmation No. <b>7320</b>
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Title: **Methods and Apparatus for Predicting, Confirming, and Displaying Functional Information Derived from Genomic Sequence**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Dated: **September 8, 2004**



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	DOCKET NO. <b>PB0004</b>	APPLICATION NO. <b>09/774,203</b>
	APPLICANT(S) <b>Penn, et al.</b>	
	FILING DATE <b>January 29, 2001</b>	GROUP ART UNIT <b>1631</b>

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	5,837,832	17-Nov-98	Chee, et al.			

#### U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

#### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B1	WO 00/79006	28-Dec-00	WIPO				

#### OTHER DOCUMENTS

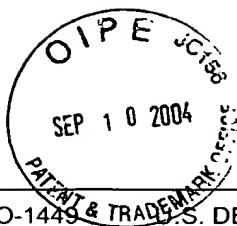
(Including Author, Title, Date, Pertinent pages, Etc.)

EXAMINER INITIAL	REF	
	C1	J. Hacia, et al., "Strategies for Mutational Analysis of the Large Multiexon <i>ATM</i> Gene Using High-Density Oligonucleotide Arrays", <i>Genome Research</i> , Volume 8, February 1998, Page 1245-1258.
	C2	M. Lorence, et al., "Structural Analysis of the Gene Encoding Human 3B-hydroxysteroid Dehydrogenase/ $\Delta^{5\rightarrow4}$ -Isomerase", <i>Mol. Endocrinol.</i> , Volume 4, 1990, Page 1850-1855.
	C3	M. Marcelli, et al. "A Single Nucleotide Substitution Introduces a Premature Termination Codon into the Androgen Receptor Gene of a Patient with Receptor-negative Androgen Resistance", <i>J. Clin. Invest.</i> , Volume 85, May 1990, Page 1522-1528.
	C4	J. Chin, et al., "Structure and Expression of the Human <i>MDR</i> (P-Glycoprotein) Gene Family", <i>Molecular and Cellular Biology</i> , Volume 9, Number 9, September 1989, Page 3808-3820.
	C5	K. Chan, et al., "P-Glycoprotein genes in the winter flounder, <i>Pleuronectes americanus</i> : isolation of two types of genomic clones carry 3' terminal exons", <i>Biochimica et Biophysica Acta</i> , Volume 1171, 1192, Page 65-72.
	C6	H. Nguyen, et al., "Does Alternative Exon Usage Contribute to Serotonin Receptor Heterogeneity", <i>Neurochem Int.</i> Volume 19, Number 4, 1991, Page 433-436.
	C7	E. Uberbacher, et al., "Locating protein-coding regions in human DNA sequences by a multiple sensor-neural network approach", <i>P.N.A.S.</i> , Volume 88, 1991, Page 11261-11265.
	C8	V. Solovyev, et al., "The Gene-Finder computer tools for analysis of human and model organisms genome sequences", <i>Proc. Int. Conf. Intell. Systems Mol. Biol.</i> , 1997, Page 294-302.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.



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#### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent pages, Etc.)

EXAMINER INITIAL	REF	
	C9	S. Penn, et al., "Mining the human genome using microarrays of open reading frames", <i>Nature Genetics</i> , Volume 26, November 2000, Page 315-318.
	C10	Kern, et al., "Direct Hybridization of Large-Insert Genomic Clones on High-Density Gridded cDNA filter Arrays", <i>Biotechniques</i> , Volume 23, 1997, Page 120-124.
	C11	J. Hacia, et al., "Evolutionary sequences comparisons using high-density oligonucleotides arrays", <i>Nature Genetics</i> , Volume 18, February 1998, Page 155-158.
	C12	Z. Guo, et al., "Oligonucleotide arrays for high resolution HLA typing", <i>Rev. Immunogenetics</i> , Volume 1, 1999, Page 220-230.
	C13	Z. Guo, et al., "Direct fluorescence analysis of genetic polymorphisms by hybridization with oligonucleotides arrays on glass supports", <i>Nucleic Acids Research</i> , Volume 22, Number 24, 1994, Page 5456-5465.
	C14	J. DeRisi, et al., "Exploring the Metabolic and Genetic Control of Gene Expression on a Genomic Scale", <i>Science</i> , Volume 278, 1991, Page 680-686.
	C15	C. Burge, et al., "Prediction of Complete Gene Structures in Human Genomic DNA", <i>J. Mol. Biol.</i> , Volume 268, 1997, Page 78-94.
	C16	M. Ansari-Lari, et al., "Comparative Sequence Analysis of a Gene-Rich Cluster at Human Chromosome 12p13 and its Syntenic Region in Mouse Chromosome 6", <i>Genome Research</i> , Volume 8, 1998, Page 29-40.
	C17	J. Hacia, et al., "Detection of heterozygous mutations in BRCA1 using high density Oligonucleotide arrays and two-colour fluorescence analysis", <i>Nature Genetics</i> , Volume 14, December 1996, Page 441-447.
	C18	T. Dolphin, et al., "Cloning, primary sequence and chromosomal localization of human FMO2, a new member of the flavin-containing mono-oxygenase family", <i>Biochem. J.</i> , Volume 287, 1992, Page 261-267.
	C19	T. Lerner, et al., "Isolation of Genes from the Batten Candidate Region Using Exon Amplification", <i>American Journal of Medical Genetics</i> , Volume 57, 1995, Page 320-323.

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